

Figure 1A

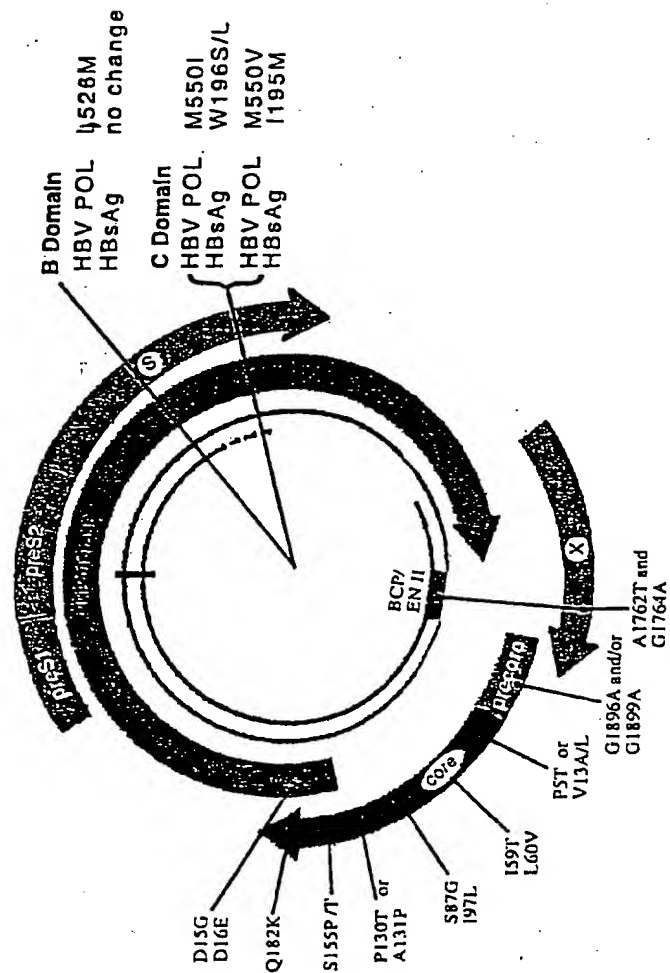


Figure 1B

(421) 430 440 450
 422 438
SNDLSWLSLD VSAAFYH^T_PPL HPAAMPHELLIV GSSGL^D_SRYVA

Domain A

HBsAg G112R T123P Y/F134S D144E G145R
 460 470 480 490
 464 466 477 488 499
 RLSST^N_{SR}NI*N NYHQY^H_GR***^D_NLH ^D_NY^SCSR^D_QLYVS L^L_MLLY^K_QTY^F_{GR}^W

HBsAg A157D E164D F170L
 500 510 520 530
 512 519 523/524/526/528/530
 KLHLY^L_SAHP^I_IV LGFRK^I_LPMG^V_G GLSPFLLAQF TSAIC^L_SA^V_M^V_T^R_CR

Domain B

W196L W199S
HBsAg M195I/S196W M198I S204T S210R
 540 550 560
 546 550 553 559 565
 AFF^P_HCL^V_AFS^A_Y MDDV^L_MVLGA^K_R^S_T V^G_QEHL^S_RES^F_{LY}^T_A^S_A

Domain C

570 580 590
 575
 I^V_TC^N_SF^V_LLS^D_VGI HLNPN^Q_KTKRW GYSLNFMGY^I_VI G

Domain D

Domain E

Figure 2

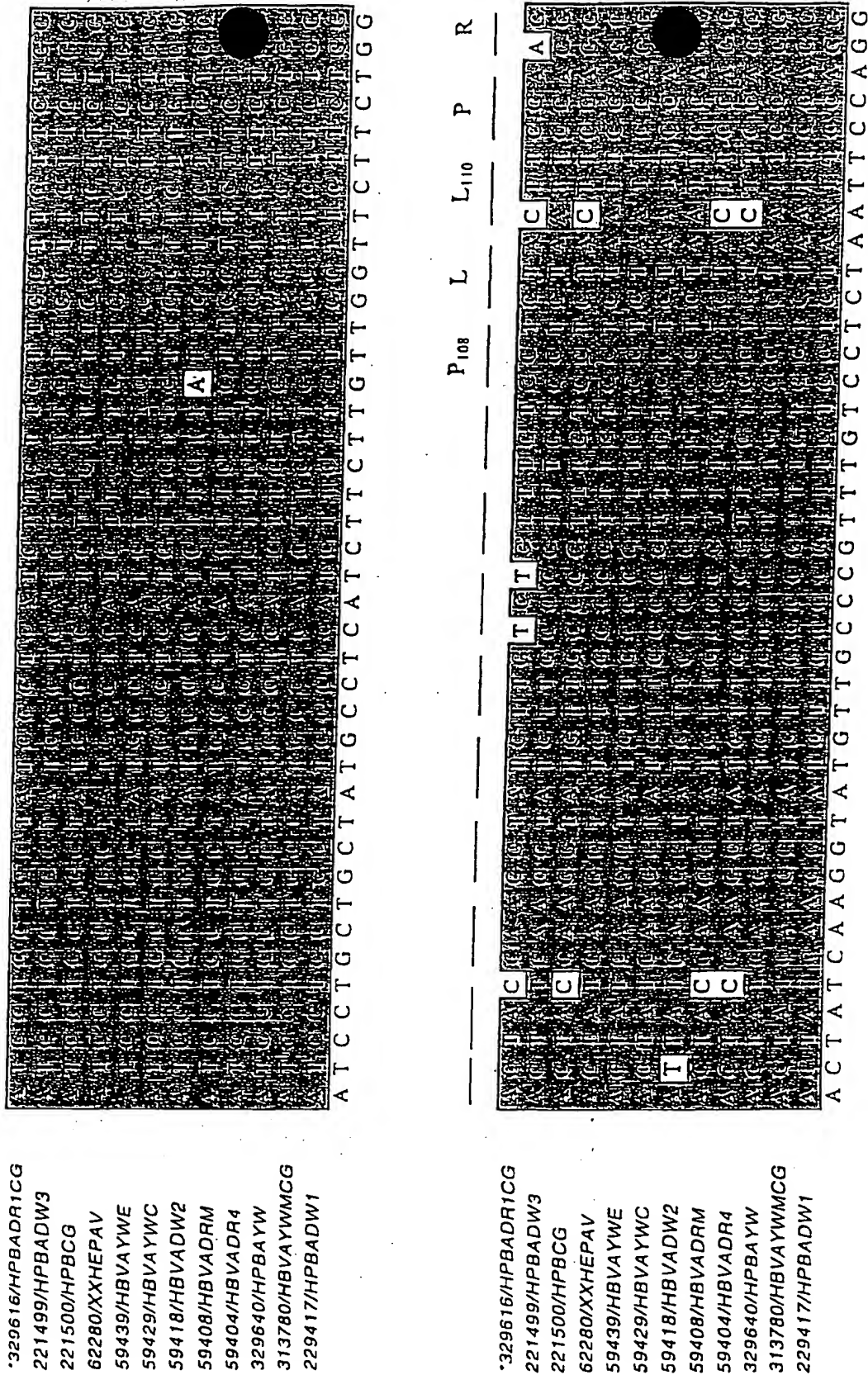


Figure 3

$$\frac{T}{S} \quad \frac{T}{S} \quad \frac{T}{S} \quad \frac{T}{G} \quad \frac{P_{120}}{C} \quad \frac{K}{T} \quad \frac{C}{T}$$

*329616/HPBADR1CG
 221499/HPBADW3
 221500/HPBCG
 62280/XXHEPAV
 59439/HBVAWE
 59429/HBVAWC
 59418/HBVAW2
 59408/HBVADRM
 59404/HBVADR4
 329640/HPBAYW
 313780/HBVAWVMCG
 229417/HPBADW1

ATCATCAAC . ACCAGCACGGGACCATGCAAGACCTGCCACG
TCTTTACACTACCT

$$\frac{I}{L} \frac{P}{A} \frac{Q}{G_{130}} \frac{T}{S} \frac{M}{F} \frac{P}{S} \frac{C}{S}$$

**329616/HPBADR1C6
 2221499/HPBADW3
 2221500/HPBCG
 662280/XXHEPAV
 594339/HBVAYWE
 59429/HBVAYWC
 59418/HBVADW2
 59408/HBVADRM
 59404/HBVADR4
 329640/HPBAYW
 313780/HBVAYWMC6
 2229417/HPBADW1

ACTCCTGCTCAAGGAACCTCTATGTTTCCCTC...TGTTCCT

Figure 3 continued

*329616/HPBADR1CG
221499/HPBADW3
221500/HPBCG
62280/XXHEPAV
59439/HBVA YWE
59429/HBVA YWC
59418/HBVADW2
59408/HBVADRM
59404/HBVADR4
329640/HPBAYW
313780/HBVA YWMC G
229417/HPBADW1

*329616/HPBADR1CG
221499/HPBADW3
221500/HPBCG
62280/XXHEPAV
59439/HBVA YWE
59429/HBVA YWC
59418/HBVADW2
59408/HBVADRM
59404/HBVADR4
329640/HPBAYW
313780/HBVA YWMCG
229417/HPBADW1

Figure 3 continued

A S V R F₁₇₀ S W L S L L V P

GCCTCAGTCCGTTTCTCTCTGGCTCAGTTTACTAGTGCCAT

F V₁₈₀ Q W F V G L S P T V₁₉₀ W₁₉₁ L₁₉₂

TTGTTTCAGTGGTTTCGTAGGGCTTTCCCCCAGCTGTTTGGCT

329616/HPBADR1CG
221499/HPBADW3
221500/HPBCG
62280/XXHEPAV
59439/HBVAYWE
59429/HBVAYWC
59418/HBVADW2
59408/HBVADRM
59404/HBVADR4
329640/HPBAYW
313780/HBVAYWMCG
229417/HPBADW1

329616/HPBADR1CG
221499/HPBADW3
221500/HPBCG
62280/XXHEPAV
59439/HBVAYWE
59429/HBVAYWC
59418/HBVADW2
59408/HBVADRM
59404/HBVADR4
329640/HPBAYW
313780/HBVAYWMCG
229417/HPBADW1

Figure 3 continued

[illegible]

Figure 3 continued

pBBHBV1.28

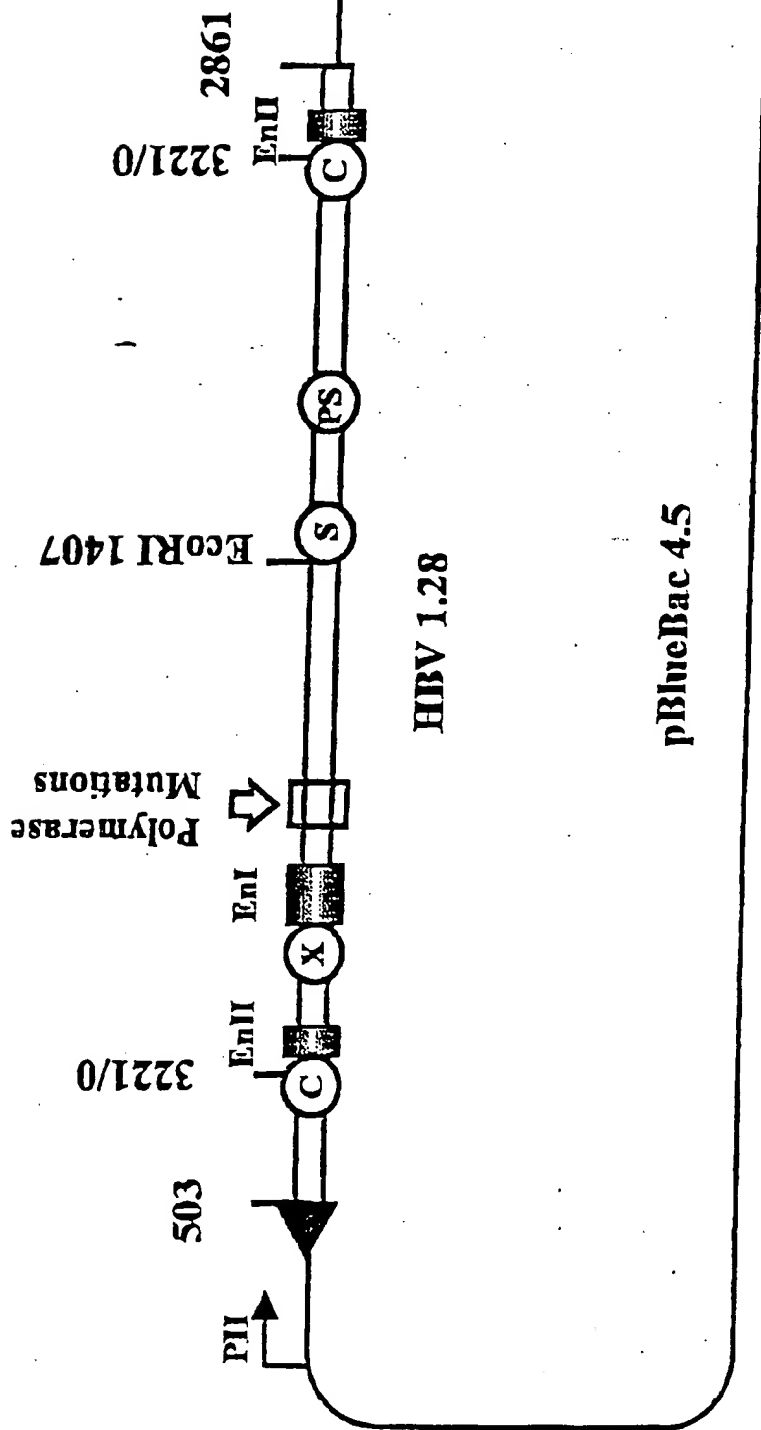


Figure 4A

pBBHBV1.5

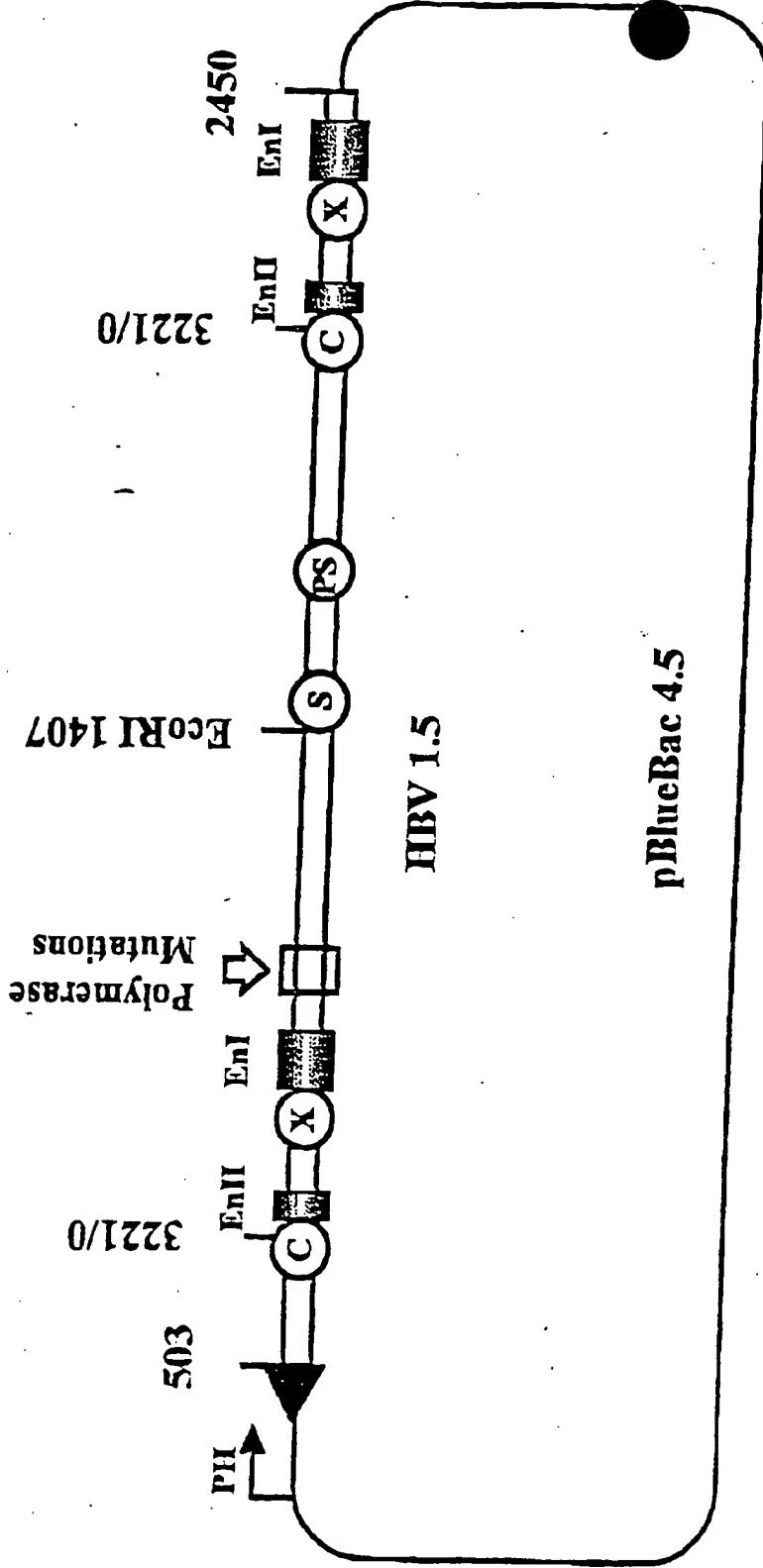


Figure 4B

Sequence Range: 1 to 4084

10 20 30 40 50
GGACGACCCCTCGCGGGGCCGCTTGGGACTCTCTCGTCCCCTTCTCCGTC

60 70 80 90 100
TGCCGTTCCAGCCGACCACGGGGCGCACCTCTCTTTACGCGGTCTCCCCG

110 120 130 140 150
TCTGTGCCTTCTCATCTGCCGGTCCGTGTGCACTTCGCTTCACCTCTGCA

160 170 180 190 200
CGTTGCATGGAGACCACCGTGAACGCCCATCAGATCCTGCCCAAGGTCTT

210 220 230 240 250
ACATAAGAGGACTCTTGGACTCCCAGCAATGTCAACGACCGACCTTGAGG

260 270 280 290 300
CCTACTTCAAAGACTGTGTGTTTAAGGACTGGGAGGAGCTGGGGGAGGAG

310 320 330 340 350
ATTAGGTAAAGGTCTTTGTATTAGGAGGCTGTAGGCATAAATTGGTCTG

360 370 380 390 400
CGCACCAGCACCATGCAACTTTTTACCTCTGCCTAATCATCTCTTGTAAC

410 420 430 440 450
ATGTCCCCTGTTCAAGCCTCCAAGCTGTGCCTTGGGTGGCTTTGGGGCA

460 470 480 490 500
TGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCG

510 520 530 540 550
TTTTTGCCTTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGC

560 570 580 590 600
CTCAGCTCTGTATCGAGAAGCCTTAGAGTCTCCTGAGCATTGCTCACCTC

610 620 630 640 650
ACCATACTGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTGATGACT

660 670 680 690 700
CTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCCAGGGATCT

Figure 5A

710 720 730 740 750
AGTAGTCAATTATGTTAATACTAACATGGGTTTAAAGATCAGGCAACTAT

760 770 780 790 800
TGTGGTTTCATATATCTTGCCTTACTTTTGAAGAGAGACTGTACTTGAA

810 820 830 840 850
TATTTGGTCTCTTTCGGAGTGTGGATTGCGACTCCTCCAGCCTATAGACC

860 870 880 890 900
ACCAAATGCCCCCTATCTTATCAACACTTCCGGAACTACTGTTGTTAGAC

910 920 930 940 950
GACGGGACCGAGGCAGGTCCCCTAGAAGAAGAACTCCCTCGCCTCGCAGA

960 970 980 990 1000
CGCAGATCTCAATCGCCGCGTCGCAGAAGATCTCAATCTCGGGAATCTCA

1010 1020 1030 1040 1050
ATGTTAGTATTCTTGGACTCATAAGGTGGGAACTTTACGGGGCTTTAT

1060 1070 1080 1090 1100
TCCTCTACAGTACCTATCTTTAATCCTGAATGGCAAACCTCCTTCCTTTCC

1110 1120 1130 1140 1150
TAAGATTCAATTTACAAGAGGACATTATTAATAGGTGTCAACAATTTGTGG

1160 1170 1180 1190 1200
GCCCTCTCACTGTAAATGAAAAGAGAAGATTGAAATTAATTATGCCTGCT

1210 1220 1230 1240 1250
AGATTCTATCCTACCCACACTAAATATTTGCCCTTAGACAAAGGAATTAA

1260 1270 1280 1290 1300
ACCTTATTATCCAGATCAGGTAGTTAATCATTACTTCAAACCAGACATT

1310 1320 1330 1340 1350
ATTTACATACTCTTTGGAAGGCTGGTATTCTATATAAGAGGGAAACCACA

1360 1370 1380 1390 1400
CGTAGCGCATCATTTTGCGGGTCACCATATTCTTGGGAACAAGAGCTACA

1410 1420 1430 1440 1450
GCATGGGAGGTTGGTCATCAAAACCTCGCAAAGGCATGGGGACGAATCTT

Figure 5A continued

1460 1470 1480 1490 1500
 TCTGTTCCCAACCCTCTGGGATTCTTTCCCGATCATCAGTTGGACCCTGC
 1510 1520 1530 1540 1550
 ATTCGGAGCCAACTCAAACAATCCAGATTGGGACTTCAACCCCATCAAGG
 1560 1570 1580 1590 1600
 ACCACTGGCCAGCAGCCAACCAGGTAGGAGTGGGAGCATTCTGGGCCAGGG
 1610 1620 1630 1640 1650
 CTCACCCCTCCACACGGCGGTATTTTGGGGTGGAGCCCTCAGGCTCAGGG
 1660 1670 1680 1690 1700
 CATATTGACCACAGTGTCAACAATTCCTCCTGCCTCCACCAATCGGC
 1710 1720 1730 1740 1750
 AGTCAGGAAGGCAGCCTACTCCCATCTCTCCACCTCTAAGAGACAGTCAT
 1760 1770 1780 1790 1800
 CCTCAGGCCATGCAGTGAATTCCACTGCCTTCCACCAAGCTCTGCAGGA
 1810 1820 1830 1840 1850
 TCCCAGAGTCAGGGGTCTGTATCTTCTGCTGGTGGCTCCAGTTCAGGAA
 1860 1870 1880 1890 1900
 CAGTAAACCCTGCTCCGAATATTGCCTCTCACATCTCGTCAATCTCCGCG
 1910 1920 1930 1940 1950
 AGGACTGGGGACCCTGTGACGAACATGGAGAACATCACATCAGGATTCTT
 1960 1970 1980 1990 2000
 AGGACCCCTGCTCGTGTTACAGGCGGGGTTTTTCTTGTTGACAAGAATCC
 2010 2020 2030 2040 2050
 TCACAATACCGCAGAGTCTAGACTCGTGGTGGACTTCTCTCAATTTTCTA
 2060 2070 2080 2090 2100
 GGGGGATCTCCCGTGTGTCTTGGCCAAAATTTCGAGTCCCCAACCTCCAA
 2110 2120 2130 2140 2150
 TCACTCACCAACCTCCTGTCCTCCAATTTGTCCTGGTTATCGCTGGATGT
 2160 2170 2180 2190 2200
 GTCTGCGGCGTTTTATCATATTCTCTTCATCCTGCTGCTATGCCTCATC

Figure 5A continued

2210 2220 2230 2240 2250
TTCTTATTGGTTCTTCTGGATTATCAAGGTATGTTGCCCGTTTGTCTCT

2260 2270 2280 2290 2300
AATTCCAGGATCAACAACAACCAGTACGGGACCATGCAAAACCTGCACGA

2310 2320 2330 2340 2350
CTCCTGCTCAAGGCAACTCTATGTTTCCCTCATGTTGCTGTACAAAACCT

2360 2370 2380 2390 2400
ACGGATGGAAATTGCACCTGTATTCCCATCCCATCGTCCTGGGCTTTTCGC

2410 2420 2430 2440 2450
AAAATACCTATGGGAGTGGGCCTCAGTCCGTTTCTCTTGCTCAGTTTAC

2460 2470 2480 2490 2500
TAGTGCCATTTGTTTCAGTGGTTCGTAGGGCTTTCCCCCACTGTTGGCTT

2510 2520 2530 2540 2550
TCAGCTATATGGATGATGTGGTATTGGGGGCCAAGTCTGTACAGCATCGT

2560 2570 2580 2590 2600
GAGTCCCTTTATACCGCTGTTACCAATTTTCTTTTGTCTCTGGGTATACA

2610 2620 2630 2640 2650
TTTAAACCCTAACAAAACAAAAGATGGGGTTATTCCCTAAACTTCATGG

2660 2670 2680 2690 2700
GCTACATAATTGGAAGTTGGGGAACTTTGCCACAGGATCATATTGTACAA

2710 2720 2730 2740 2750
AAGATCAAACACTGTTTTAGAAAACCTCCTGTTAACAGGCCTATTGATTG

2760 2770 2780 2790 2800
GAAAGTATGTCAAAGAATTGTGGGTCTTTTGGGCTTTGCTGCTCCATTTA

2810 2820 2830 2840 2850
CACAAATGTGGATATCCTGCCTTAATGCCTTTGTATGCATGTATACAAGCT

2860 2870 2880 2890 2900
AAACAGGCTTTCACTTTCTCGCCAACTTACAAGGCCTTTCTAAGTAAACA

2910 2920 2930 2940 2950
GTACATGAACCTTTACCCCGTTGCTCGGCAACGGCCTGGTCTGTGCCAAG

Figure 5A continued

2960 2970 2980 2990 3000
TGTTTGCTGACGCAACCCCCACTGGCTGGGGCTTGGCCATAGGCCATCAG

3010 3020 3030 3040 3050
CGCATGCGTGGAACCTTTGTGGCTCCTCTGCCGATCCATACTGCGGAACT

3060 3070 3080 3090 3100
CCTAGCCGCTTGTTTTGCTCGCAGCCGGTCTGGAGCAAAGCTCATCGGAA

3110 3120 3130 3140 3150
CTGACAATTCTGTCGTCTCTCGCGGAAATATACATCGTTTCCATGGCTG

3160 3170 3180 3190 3200
CTAGGCTGTACTGCCAACTGGATCCTTCGCGGGACGTCCTTTGTTTACGT

3210 3220 3230 3240 3250
CCCGTCGGCGCTGAATCCCGCGGACGACCCCTCGCGGGGCGCTTGGGAC

3260 3270 3280 3290 3300
TCTCTCGTCCCCTTCTCCGTCTGCCGTTCCAGCCGACCACGGGGCGCACC

3310 3320 3330 3340 3350
TCTCTTTACGCGGTCTCCCCGTCTGTGCCTTCTCATCTGCCGGTCCGTGT

3360 3370 3380 3390 3400
GCACTTCGCTTCACCTCTGCACGTTGCATGGAGACCACCGTGAACGCCCA

3410 3420 3430 3440 3450
TCAGATCCTGCCCAAGGTCTTACATAAGAGGACTCTTGGACTCCCAGCAA

3460 3470 3480 3490 3500
TGTCAACGACCGACCTTGAGGCCTACTTCAAAGACTGTGTGTTTAAGGAC

3510 3520 3530 3540 3550
TGGGAGGAGCTGGGGGAGGAGATTAGGTAAAGGTCTTTGTATTAGGAGG

3560 3570 3580 3590 3600
CTGTAGGCATAAATTGGTCTGCGCACCAGCACCATGCAACTTTTTACCT

3610 3620 3630 3640 3650
CTGCCTAATCATCTCTTGACATGTCCCACTGTTCAAGCCTCCAAGCTGT

3660 3670 3680 3690 3700
GCCTTGGGTGGCTTTGGGGCATGGACATTGACCCTTATAAAGAATTTGGA

Figure 5A continued

3710 3720 3730 3740 3750
GCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGACTTCTTTCCTTCCGT

3760 3770 3780 3790 3800
CAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGAGAAGCCTTAGAGT

3810 3820 3830 3840 3850
CTCCTGAGCATTGCTCACCTCACCATACTGCACTCAGGCAAGCCATTCTC

3860 3870 3880 3890 3900
TGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGA

3910 3920 3930 3940 3950
AGATCCAGCATCCAGGGATCTAGTAGTCAATTATGTTAATACTAACATGG

3960 3970 3980 3990 4000
GTTTAAAGATCAGGCAACTATTGTGGTTTCATATATCTTGCCTTACTTTT

4010 4020 4030 4040 4050
GGAAGAGAGACTGTACTTGAATATTTGGTCTCTTTCGGAGTGTGGATTTCG

4060 4070 4080
CACTCCTCCAGCCTATAGACCACCAAATGCCCT

Figure 5A continued

Sequence Range: 1 to 4496

10 20 30 40 50
GATATCCTGCCTTAATGCCTTTGTATGCATGTATACAAGCTAAACAGGCT

60 70 80 90 100
TTCACCTTTCTCGCCAACTTACAAGGCCTTTCTAAGTAAACAGTACATGAA

110 120 130 140 150
CCTTTACCCCGTTGCTCGGCAACGGCCTGGTCTGTGCCAAGTGTGCTG

160 170 180 190 200
ACGCAACCCCACTGGCTGGGGCTTGGCCATAGGCCATCAGCGCATGCGT

210 220 230 240 250
GGAACCTTTGTGGCTCCTCTGCCGATCCATACTGCGGAACCTCTAGCCGC

260 270 280 290 300
TTGTTTTGCTCGCAGCCGGTCTGGAGCAAAGCTCATCGGAACGACAATT

310 320 330 340 350
CTGTCGTCTCTCGCGGAAATATACATCGTTTCCATGGCTGCTAGGCTGT

360 370 380 390 400
ACTGCCAACTGGATCCTTCGCGGGACGTCTTTGTTTACGTCCCGTCGGC

410 420 430 440 450
GCTGAATCCCGCGGACGACCCCTCGCGGGGCCGCTTGGGACTCTCTCGTC

460 470 480 490 500
CCCTTCTCCGTCTGCCGTTCCAGCCGACCACGGGGCGCACCTCTCTTTAC

510 520 530 540 550
GCGGTCTCCCGTCTGTGCCTTCTCATCTGCCGGTCCGTGTGCACTTCGC

560 570 580 590 600
TTCACCTCTGCACGTTGCATGGAGACCACCGTGAACGCCCATCAGATCCT

610 620 630 640 650
GCCCAAGGTCTTACATAAGAGGACTCTTGGA CTCCAGCAATGTCAACGA

660 670 680 690 700
CCGACCTTGAGGCCTACTTCAAAGACTGTGTGTTTAAGGACTGGGAGGAG

Figure 5B

710 720 730 740 750
CTGGGGGAGGAGATTAGGTTAAAGGTCTTTGTATTAGGAGGCTGTAGGCA

760 770 780 790 800
TAAATTGGTCTGCGCACCAGCAGCATGCAACTTTTTACCTCTGCCTAAT

810 820 830 840 850
CATCTCTTGTACATGTCCCACTGTTCAAGCCTCCAAGCTGTGCCTTGGGT

860 870 880 890 900
GGCTTTGGGGCATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTG

910 920 930 940 950
GAGTTACTCTCGTTTTTGCCTTCTGACTTCTTTCCTTCCGTCAGAGATCT

960 970 980 990 1000
CCTAGACACCGCCTCAGCTCTGTATCGAGAAGCCTTAGAGTCTCCTGAGC

1010 1020 1030 1040 1050
ATTGCTCACCTCACCATACTGCACTCAGGCAAGCCATTCTCTGCTGGGGG

1060 1070 1080 1090 1100
GAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGC

1110 1120 1130 1140 1150
ATCCAGGGATCTAGTAGTCAATTATGTTAATACTAACATGGGTTTAAAGA

1160 1170 1180 1190 1200
TCAGGCAACTATTGTGGTTTCATATATCTTGCCTTACTTTTGAAGAGAG

1210 1220 1230 1240 1250
ACTGTACTTGAATATTTGGTCTCTTTCGGAGTGTGGATTGCACTCCTCC

1260 1270 1280 1290 1300
AGCCTATAGACCACCAAATGCCCCCTATCTTATCAACACTTCCGGAAACTA

1310 1320 1330 1340 1350
CTGTTGTTAGACGACGGGACCGAGGCAGGTCCCCTAGAAGAAGAACTCCC

1360 1370 1380 1390 1400
TCGCCTCGCAGACGCAGATCTCAATCGCCGCGTCGCAGAAGATCTCAATC

1410 1420 1430 1440 1450
TCGGGAATCTCAATGTTAGTATTCCTTGGACTCATAAGGTGGGAACTTT

Figure 5B continued

1460 1470 1480 1490 1500
ACGGGGCTTTATTCTCTACAGTACCTATCTTTAATCCTGAATGGCAAAC

1510 1520 1530 1540 1550
TCCTTCCTTTCCTAAGATTCATTTACAAGAGGACATTATTAATAGGTGTC

1560 1570 1580 1590 1600
AACAAATTTGTGGGCCCTCTCACTGTAAATCAAAAGAGAAGATTGAAATTA

1610 1620 1630 1640 1650
ATTATGCCTGCTAGATTCTATCCTACCCACACTAAATATTTGCCCTTAGA

1660 1670 1680 1690 1700
CAAAGGAATTAAACCTTATTATCCAGATCAGGTAGTTAATCATTACTTCC

1710 1720 1730 1740 1750
AAACCAGACATTATTTACATACTCTTTGGAAGGCTGGTATTCTATATAAG

1760 1770 1780 1790 1800
AGGGAAACCACACGTAGCGCATCATTTTGC GGTCACCATATTCTTGGA

1810 1820 1830 1840 1850
ACAAGAGCTACAGCATGGGAGGTTGGTCATCAAAACCTCGCAAAGGCATG

1860 1870 1880 1890 1900
GGGACGAATCTTTCTGTTCCCAACCCTCTGGGATTCTTTCCCGATCATCA

1910 1920 1930 1940 1950
GTTGGACCCTGCATTTCGGAGCCAACTCAAACAATCCAGATTGGGACTTCA

1960 1970 1980 1990 2000
ACCCCATCAAGGACCACTGGCCAGCAGCCAACCAGGTAGGAGTGGGAGCA

2010 2020 2030 2040 2050
TTCGGGCCAGGGCTCACCCCTCCACACGGCGGTATTTTGGGGTGGAGCCC

2060 2070 2080 2090 2100
TCAGGCTCAGGGCATATTGACCACAGTGTCAACAATTCCTCCTCCTGCCT

2110 2120 2130 2140 2150
CCACCAATCGGCAGTCAGGAAGGCAGCCTACTCCCATCTCTCCACCTCTA

2160 2170 2180 2190 2200
AGAGACAGTCATCCTCAGGCCATGCAGTGGAATTCCACTGCCTTCCACCA

Figure 5B continued

2210 2220 2230 2240 2250
AGCTCTGCAGGATCCCAGAGTCAGGGGTCTGTATCTTCCTGCTGGTGGCT

2260 2270 2280 2290 2300
CCAGTTCAGGAACAGTAAACCCTGCTCCGAATATTGCCTCTCACATCTCG

2310 2320 2330 2340 2350
TCAATCTCCGCGAGGACTGGGGACCCTGTGACGAACATGGAGAACATCAC

2360 2370 2380 2390 2400
ATCAGGATTCTAGGACCCCTGCTCGTGTTACAGGCGGGGTTTTCTTGT

2410 2420 2430 2440 2450
TGACAAGAATCCTCACAATACCGCAGAGTCTAGACTCGTGGTGGACTTCT

2460 2470 2480 2490 2500
CTCAATTTTCTAGGGGGATCTCCCGTGTGTCTTGGCCAAAATTGCGAGTC

2510 2520 2530 2540 2550
CCCAACCTCCAATCACTCACCAACCTCCTGTCCTCCAATTTGTCCTGGTT

2560 2570 2580 2590 2600
ATCGCTGGATGTGTCTGCGGCGTTTTATCATATTCTCTTCATCCTGCTG

2610 2620 2630 2640 2650
CTATGCCTCATCTTCTTATTGGTTCTTCTGGATTATCAAGGTATGTTGCC

2660 2670 2680 2690 2700
CGTTTGTCTCTAATTCCAGGATCAACAACAACCACTACGGGACCATGCA

2710 2720 2730 2740 2750
AAACCTGCACGACTCCTGCTCAAGGCAACTCTATGTTTCCCTCATGTTGC

2760 2770 2780 2790 2800
TGTACAAAACCTACGGATGGAAATTGCACCTGTATCCCATCCCATCGTC

2810 2820 2830 2840 2850
CTGGGCTTTTCGAAAATACCTATGGGAGTGGGCCTCAGTCCGTTTCTCTT

2860 2870 2880 2890 2900
GGCTCAGTTTACTAGTGCCATTTGTTTCAAGTGGTTCGTAGGGCTTTCCCC

2910 2920 2930 2940 2950
ACTGTTTGGCTTTTCAGCTATATGGATGATGTGGTATTGGGGGCCAAGTCT

Figure 5B continued

2960 2970 2980 2990 3000
GTACAGCATCGTGAGTCCCTTTATACCGCTGTTACCAATTTTCTTTTGTC

3010 3020 3030 3040 3050
TCTGGGTATACATTTAAACCCTAACAAAACAAAAGATGGGGTTATTCCC

3060 3070 3080 3090 3100
TAAACTTCATGGGCTACATAATTGGAAGTTGGGGAACCTTGCCACAGGAT

3110 3120 3130 3140 3150
CAPATTGTACAAAAGATCAAACACTGTTTTAGAAAACCTTCTGTTAACAG

3160 3170 3180 3190 3200
GCCTATTGATTGGAAAGTATGTCAAAGAATTGTGGGTCTTTTGGGCTTTG

3210 3220 3230 3240 3250
CTGCTCCATTTACACAATGTGGATATCCTGCCTTAATGCCTTTGTATGCA

3260 3270 3280 3290 3300
TGTATACAAGCTAAACAGGCTTTCACTTTCTGCCAACTTACAAGGCCTT

3310 3320 3330 3340 3350
TCTAAGTAAACAGTACATGAACCTTTACCCCGTTGCTCGGCAACGGCCTG

3360 3370 3380 3390 3400
GTCTGTGCCAAGTGTTTGCTGACGCAACCCCCACTGGCTGGGGCTTGCC

3410 3420 3430 3440 3450
ATAGGCCATCAGCGCATGCGTGGAACCTTTGTGGCTCCTCTGCCGATCCA

3460 3470 3480 3490 3500
TACTGCGGAACCTCCTAGCCGCTTGTTTTGCTCGCAGCCGGTCTGGAGCAA

3510 3520 3530 3540 3550
AGCTCATCGGAACCTGACAATTCTGTCGTCTCTCGCGGAAATATACATCG

3560 3570 3580 3590 3600
TTTCCATGGCTGCTAGGCTGTACTGCCAACTGGATCCTTCGCGGGACGTC

3610 3620 3630 3640 3650
CTTTGTTTACGTCCCGTCGGCGCTGAATCCCGCGGACGACCCCTCGCGGG

3660 3670 3680 3690 3700
GCCGCTTGGGACTCTCTCGTCCCCTTCTCCGTCTGCCGTTCCAGCCGACC

Figure 5B continued

3710 3720 3730 3740 3750
ACGGGGCGCACCTCTCTTTACGCGGTCTCCCCGTCTGTGCCTTCTCATCT

3760 3770 3780 3790 3800
GCCGGTCCGTGTGCACTTCGCTTCACCTCTGCACGTTGCATGGAGACCAC

3810 3820 3830 3840 3850
CGTGAACGCCCATCAGATCCTGCCCAAGGTCTTACATAAGAGGACTCTTG

3860 3870 3880 3890 3900
GACTCCCAGCAATGTCAACGACCGACCTTGAGGCCTACTTCAAAGACTGT

3910 3920 3930 3940 3950
GTGTTTAAGGACTGGGAGGAGCTGGGGGAGGAGATTAGGTTAAAGGTCTT

3960 3970 3980 3990 4000
TGTATTAGGAGGCTGTAGGCATAAATTGGTCTGCGCACCAGCACCATGCA

4010 4020 4030 4040 4050
ACTTTTTCACCTCTGCCTAATCATCTCTTGTACATGTCCCACTGTTCAAG

4060 4070 4080 4090 4100
CCTCCAAGCTGTGCCTTGCGGTGGCTTTGGGGCATGGACATTGACCCTTAT

4110 4120 4130 4140 4150
AAAGAATTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGACTT

4160 4170 4180 4190 4200
CTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGAG

4210 4220 4230 4240 4250
AAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCATACTGCACTCAGG

4260 4270 4280 4290 4300
CAAGCCATTCTCTGCTGGGGGAATTGATGACTCTAGCTACCTGGGTGGG

4310 4320 4330 4340 4350
TAATAATTTGGAAGATCCAGCATCCAGGGATCTAGTAGTCAATTATGTTA

4360 4370 4380 4390 4400
ATACTAACATGGGTTTAAAGATCAGGCAACTATTGTGGTTTCATATATCT

4410 4420 4430 4440 4450
TGCCTTACTTTTGAAGAGAGACTGTACTTGAATATTTGGTCTCTTTTCGG

4460 4470 4480 4490
AGTGTGGATTTCGCACTCCTCCAGCCTATAGACCACCAAATGCCCT

Figure 5B continued

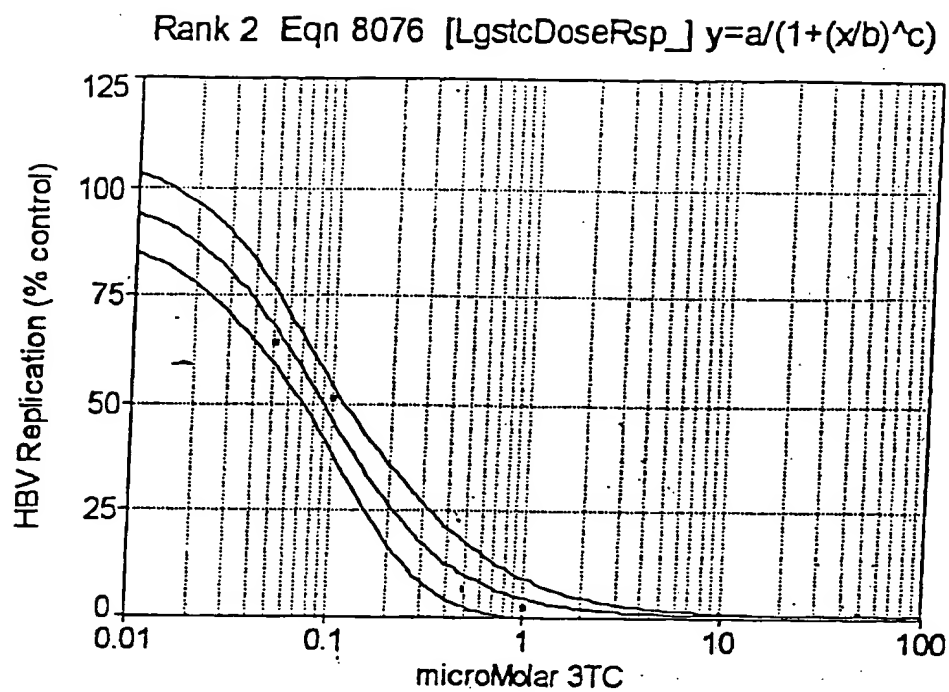


Figure 6A

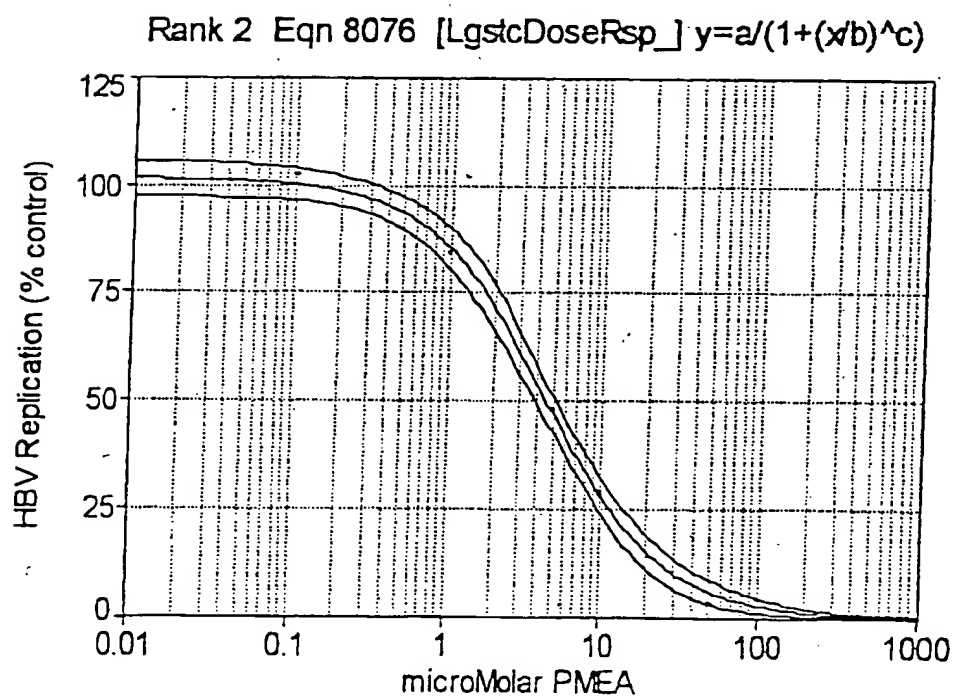


Figure 6B

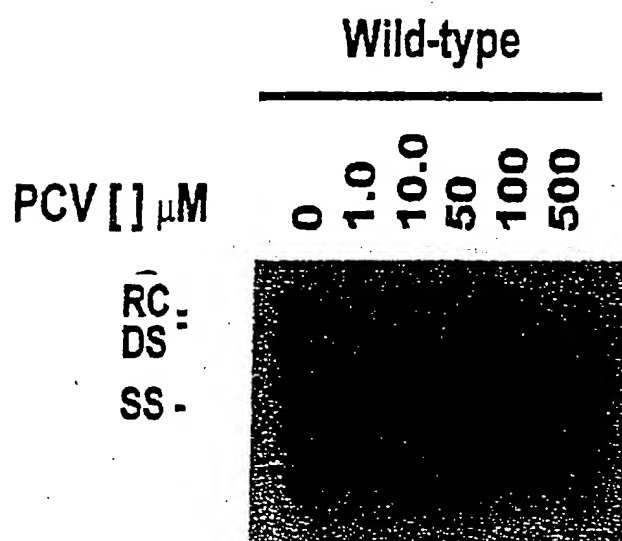


Figure 6C

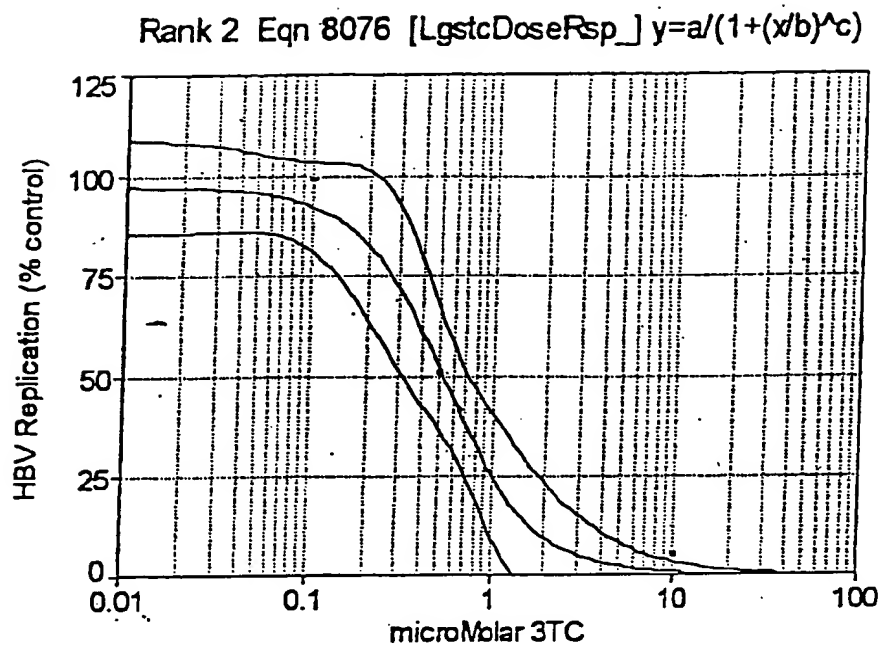


Figure 7A

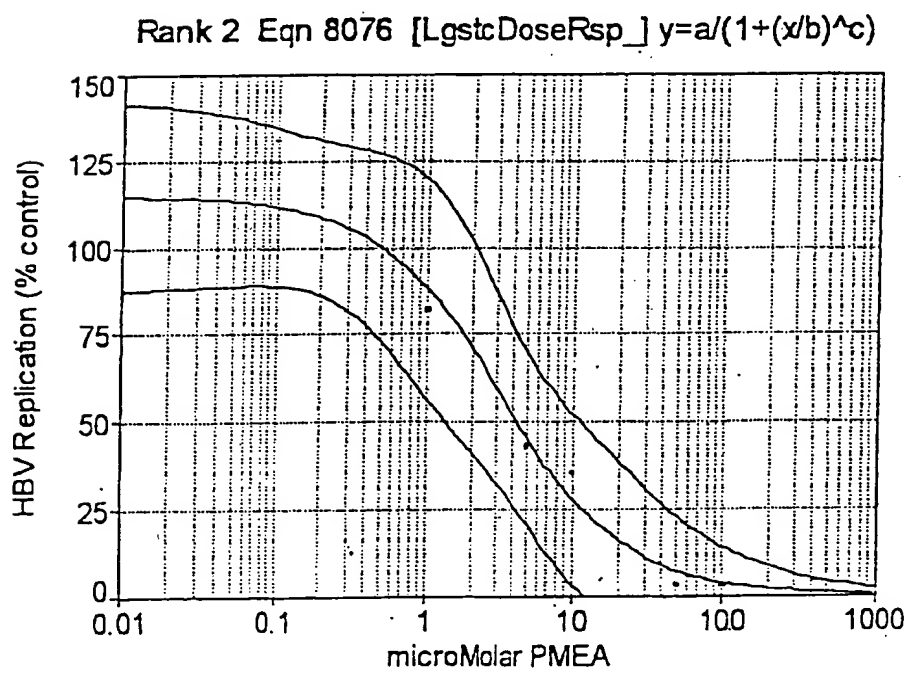


Figure 7B

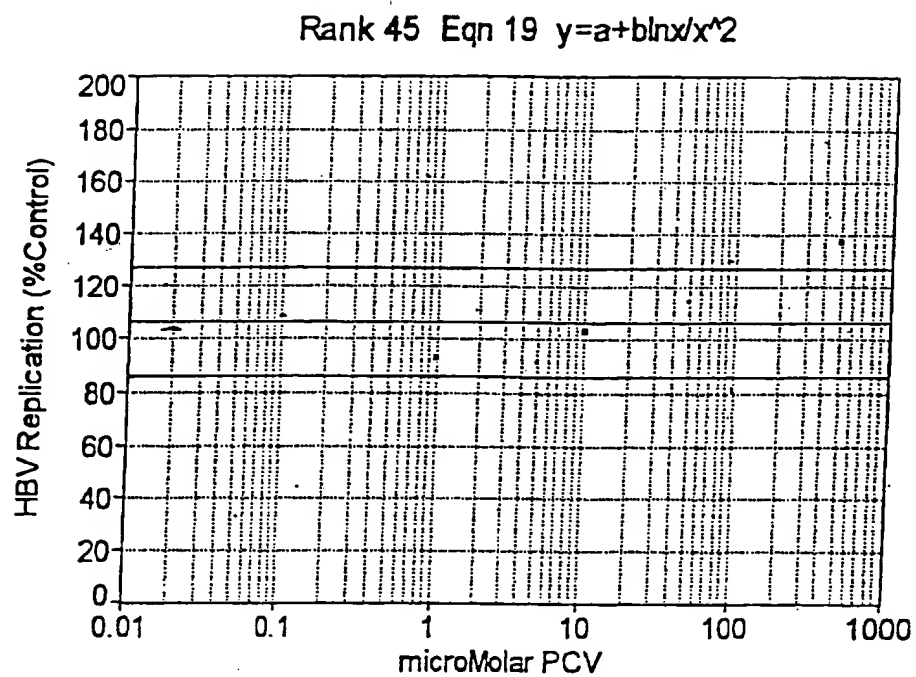


Figure 7C

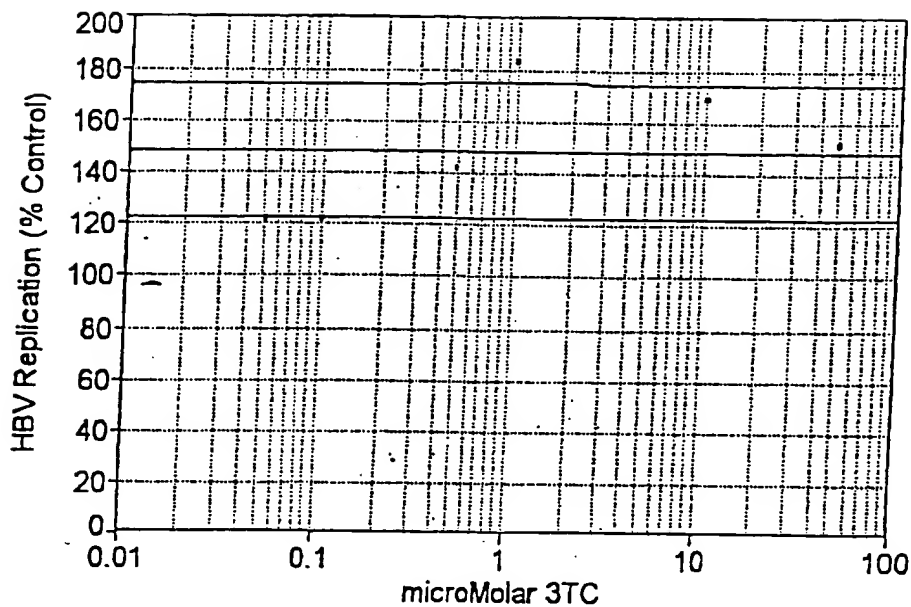
Rank 8 Eqn 10 $y=a+b(\ln x)^2$ 

Figure 8A

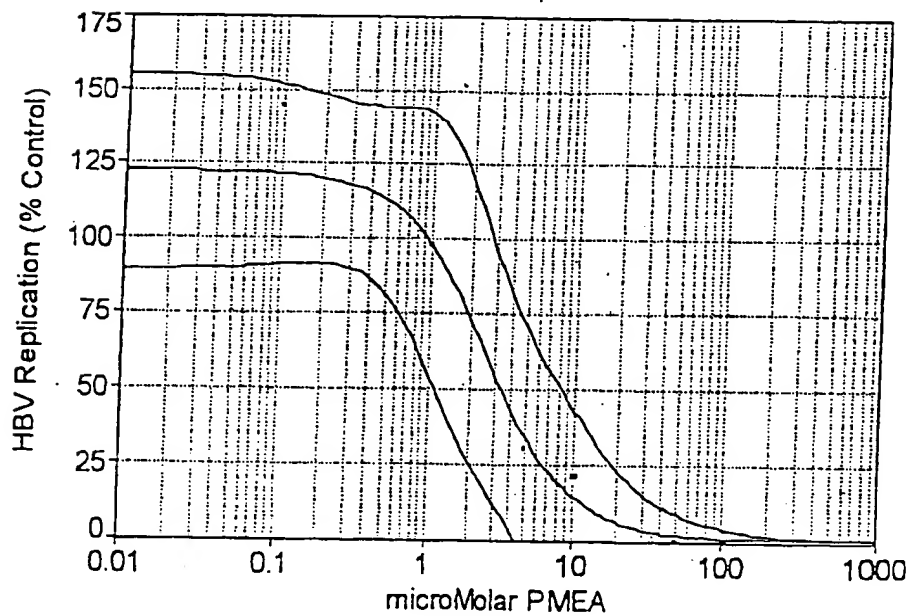
Rank 2 Eqn 8076 [LgstcDoseRsp] $y=a/(1+(x/b)^c)$ 

Figure 8B

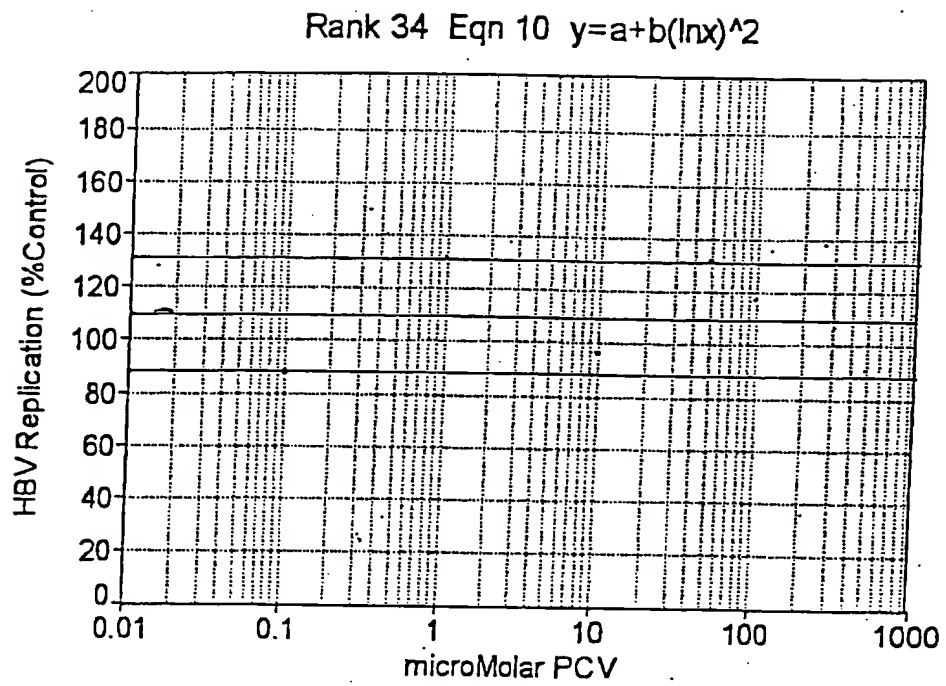


Figure 8C

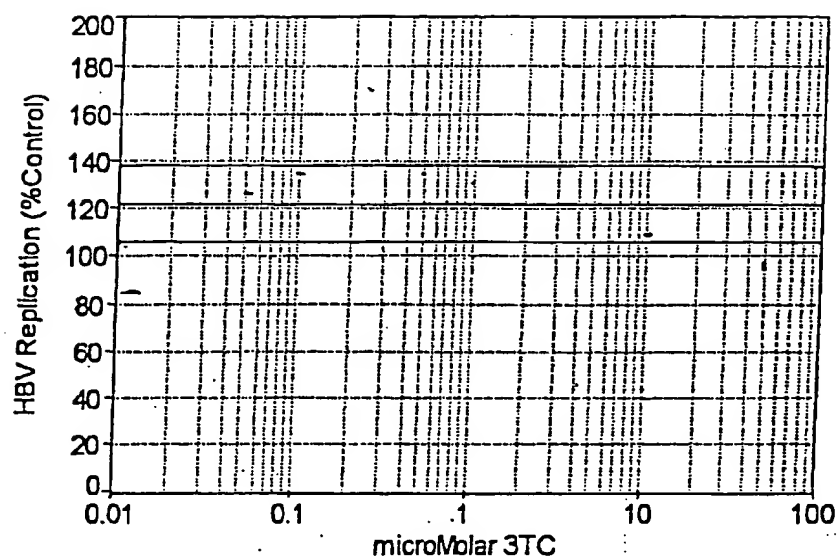
Rank 45 Eqn 10 $y=a+b(\ln x)^2$ 

Figure 9A

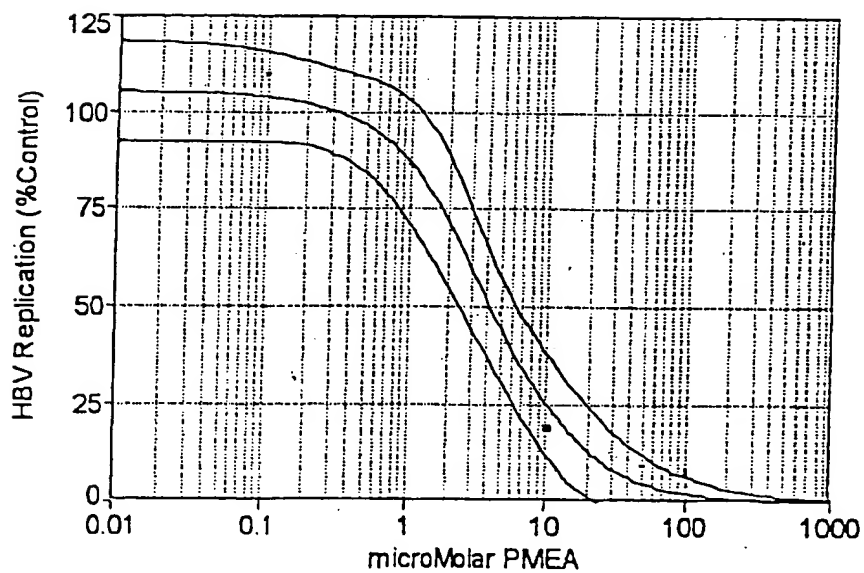
Rank 2 Eqn 8076 [LgscDoseRsp_] $y=a/(1+(x/b)^c)$ 

Figure 9B

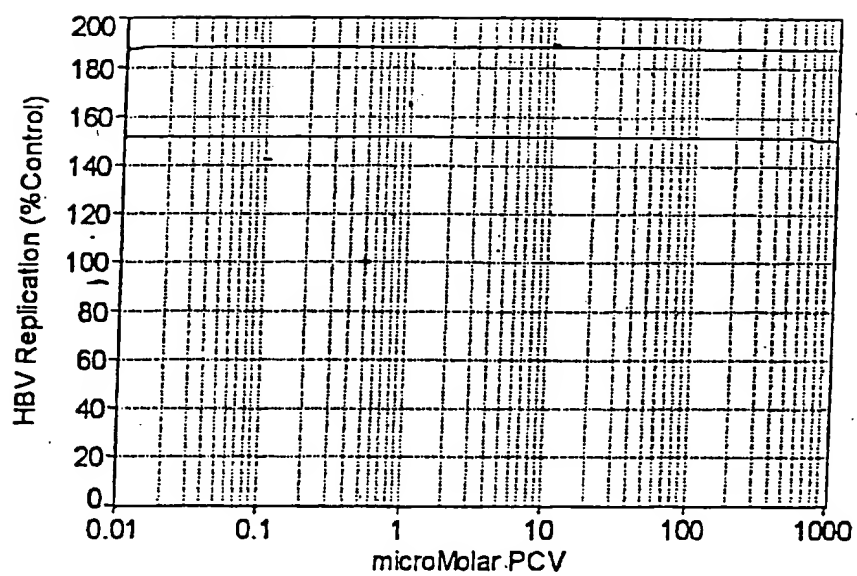
Rank 20 Eqn 10 $y=a+b(\ln x)^2$ 

Figure 9C

Cold dCTP Competition

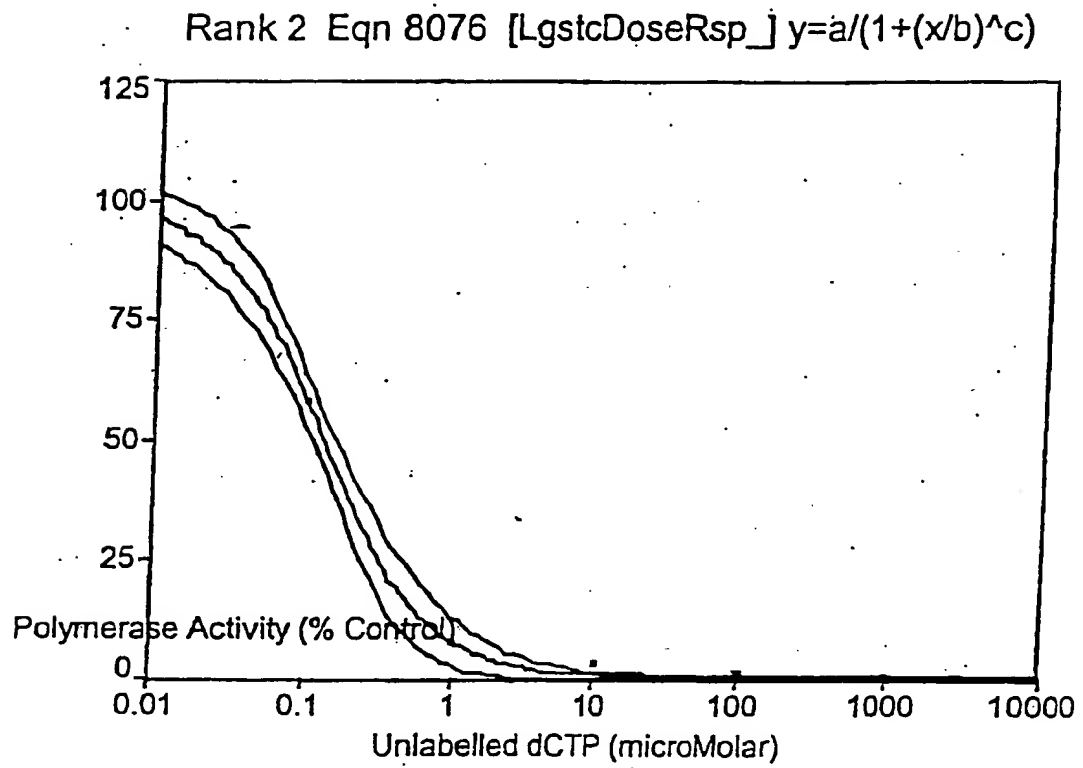


Figure 10

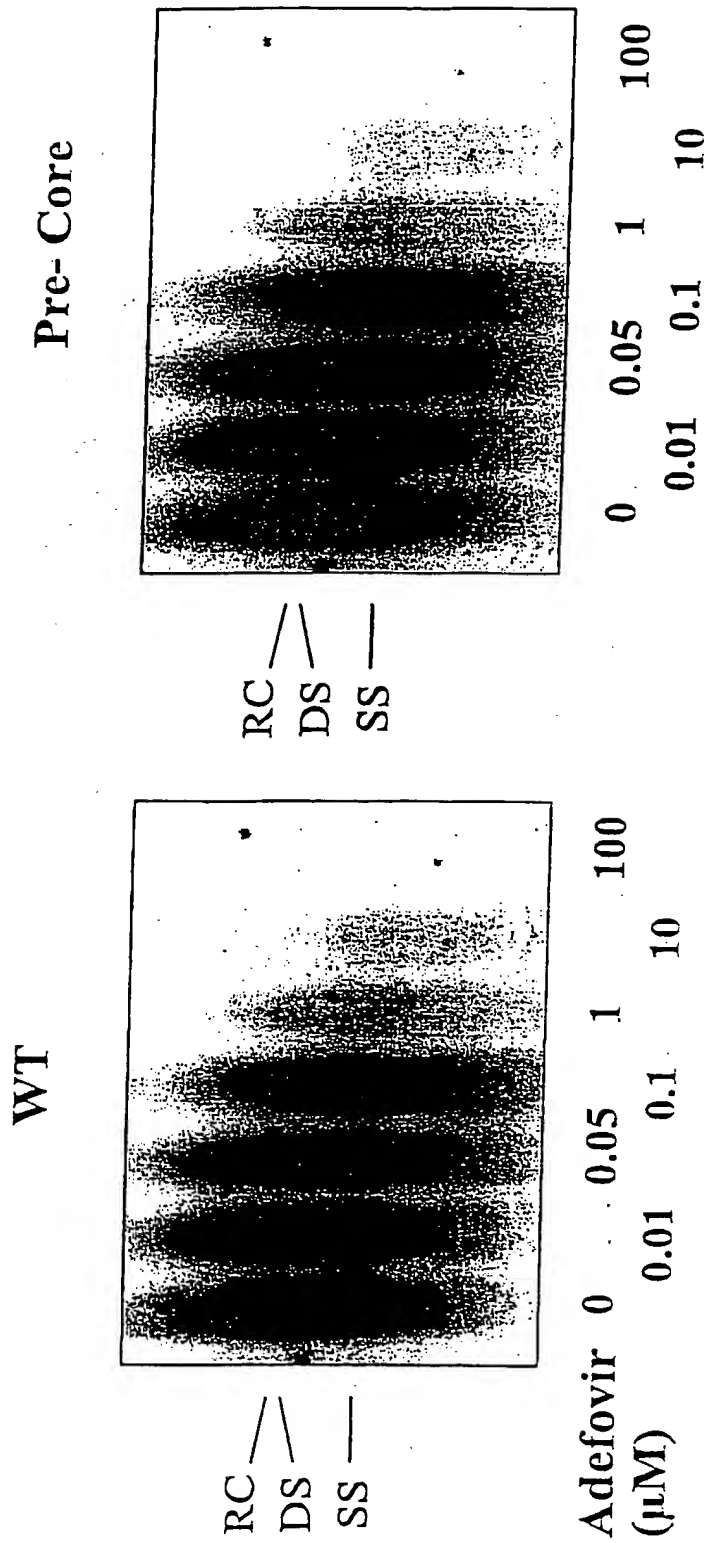


Figure 11A

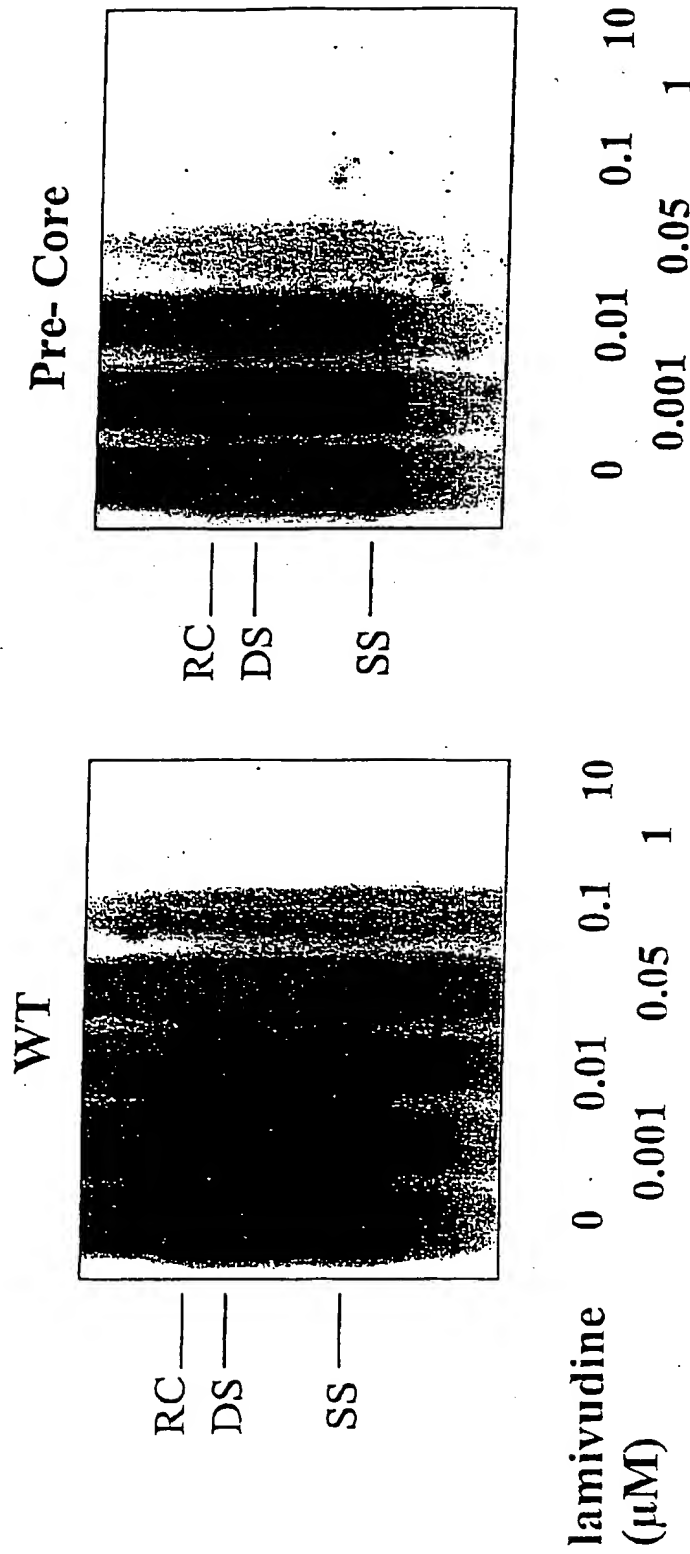


Figure 11B

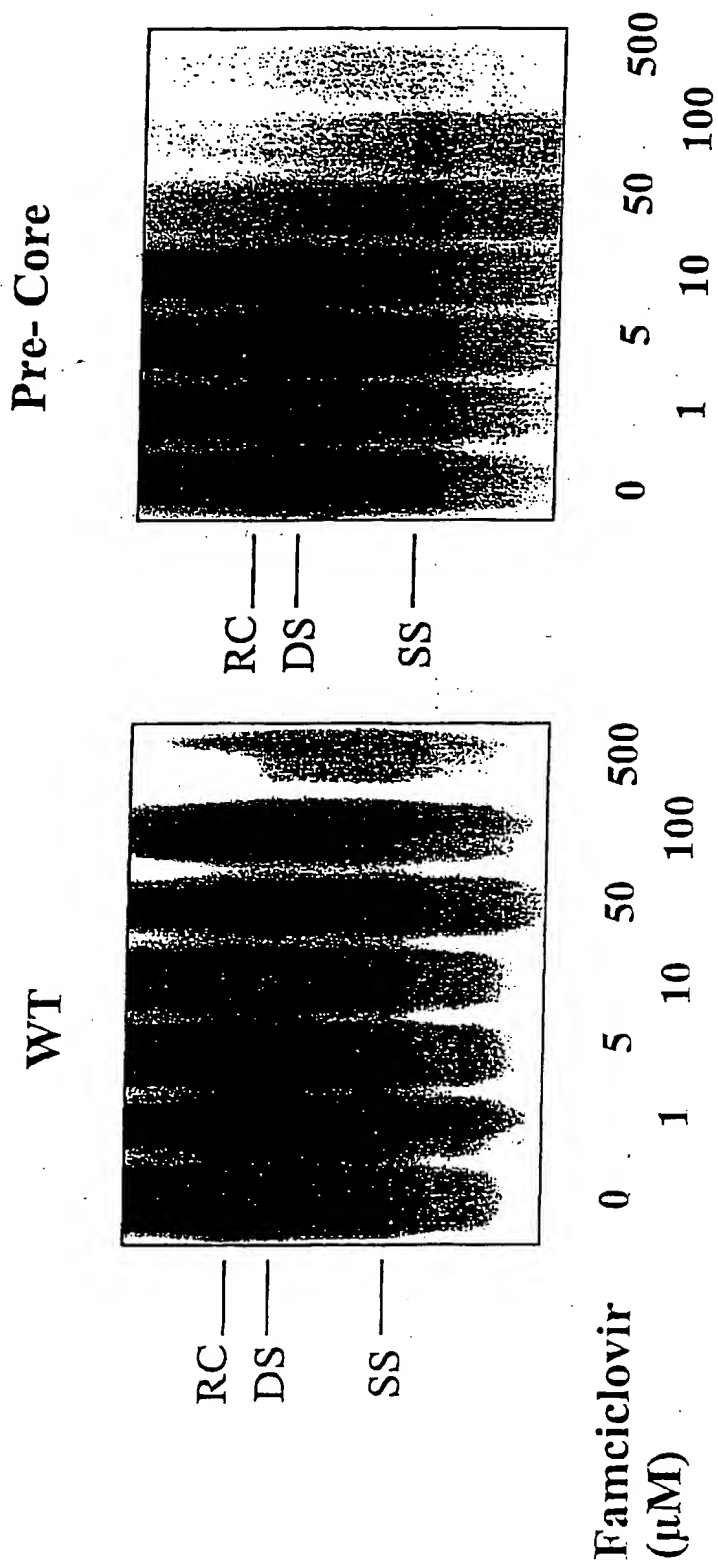


Figure 11C

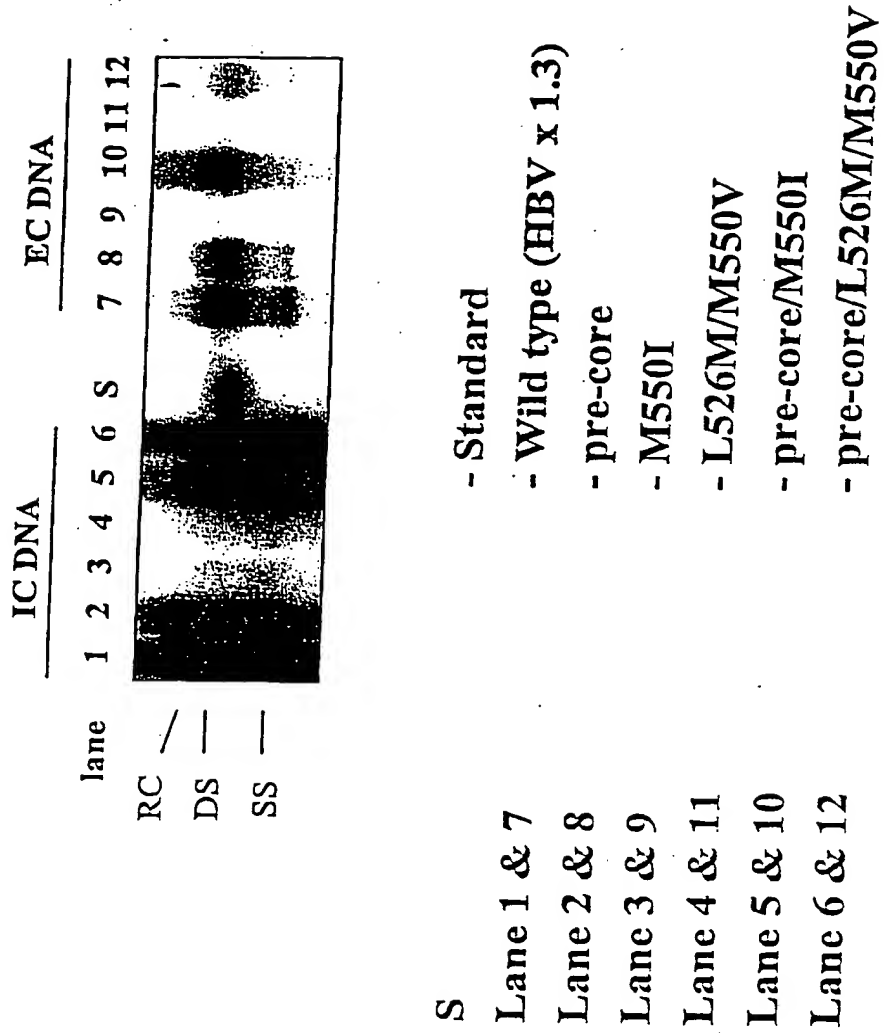


Figure 12

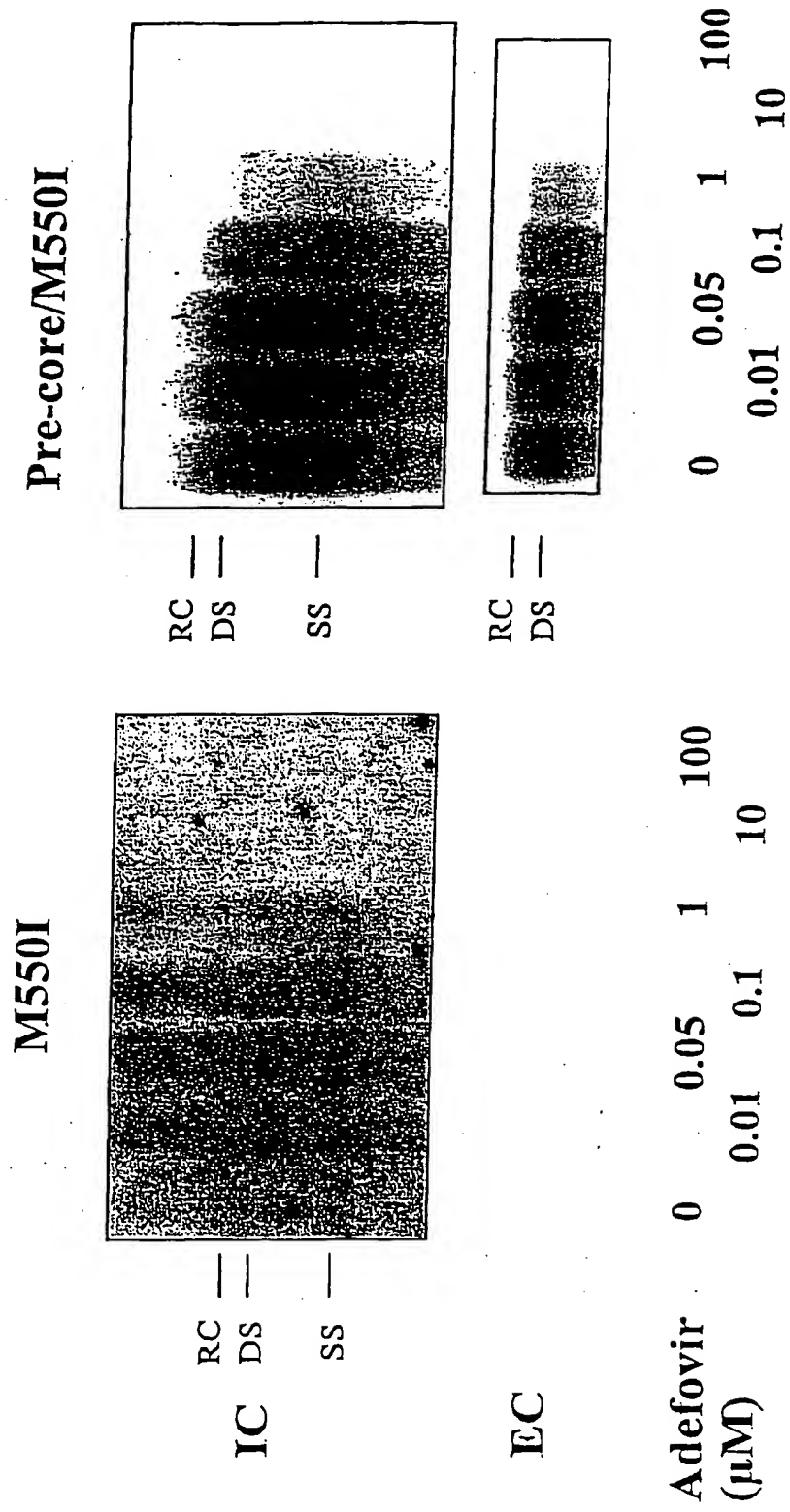


Figure 13A

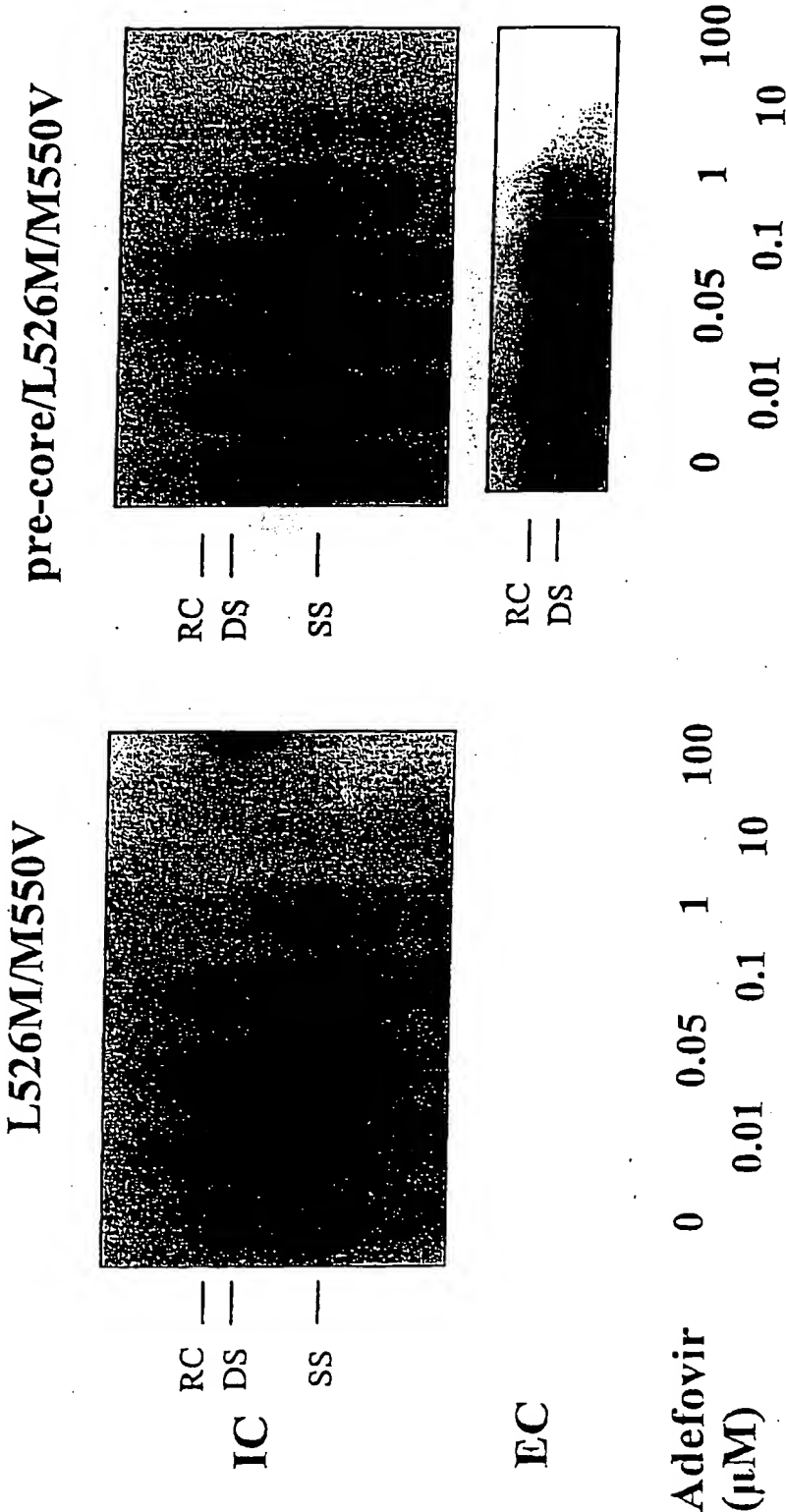


Figure 13B

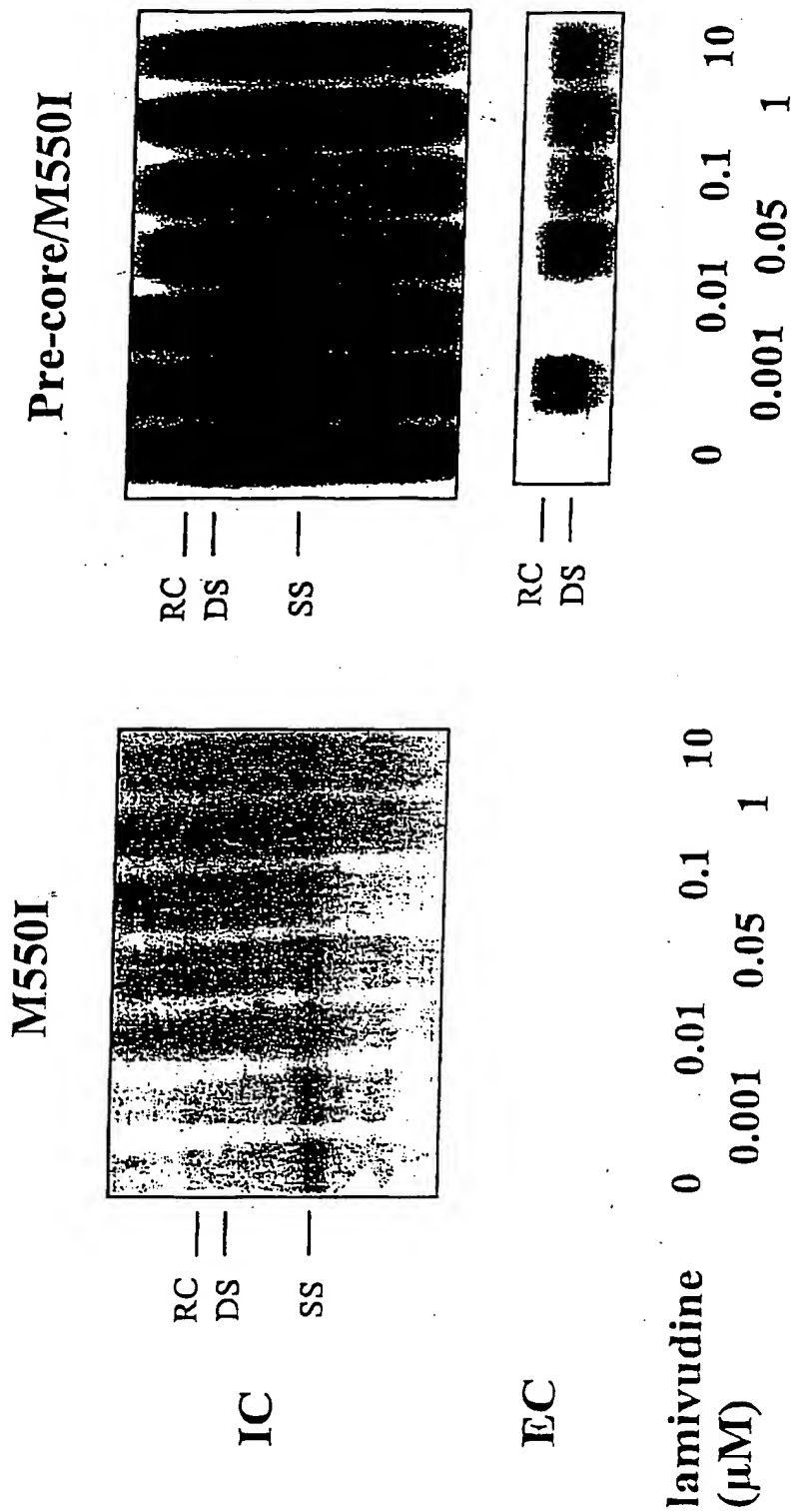


Figure 13C

L526M/M550V Pre-core/L526M/M550V

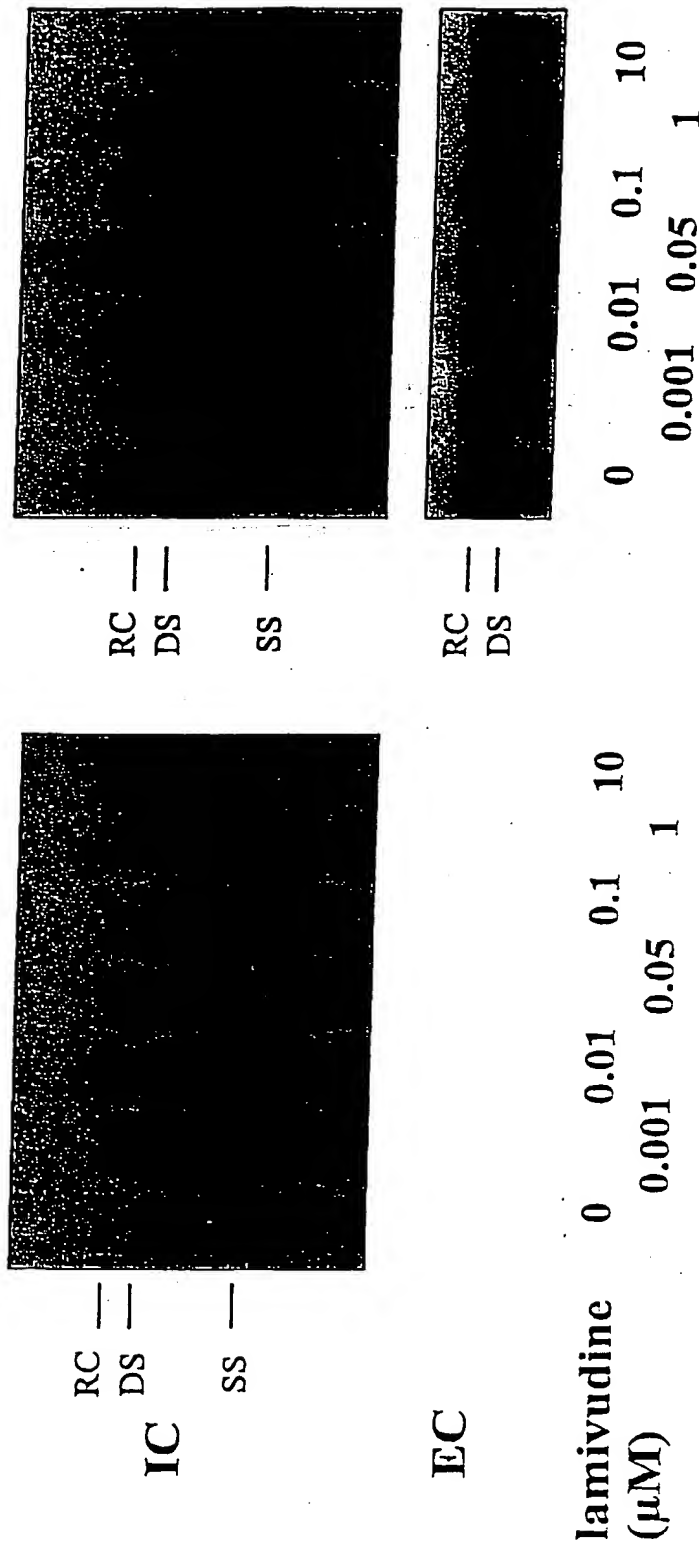
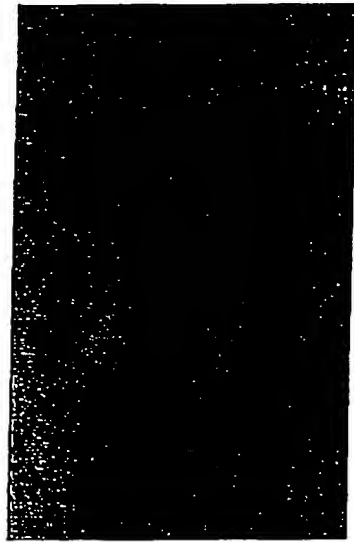


Figure 13D

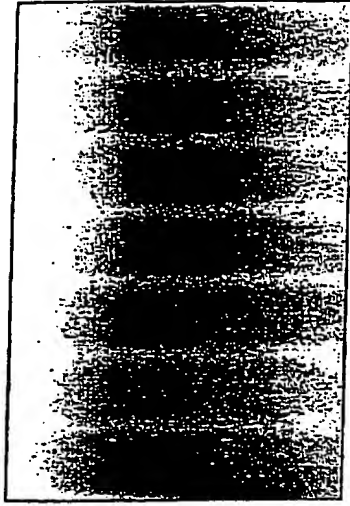
M550I



RC —
DS —
SS —

IC

Pre-core/M550I



RC —
DS —
SS —

EC



RC —
DS —

Famciclovir (μM) 0 1 5 10 50 100 500

Figure 13E

Pre-core/L526M/M550V

L526M/M550V

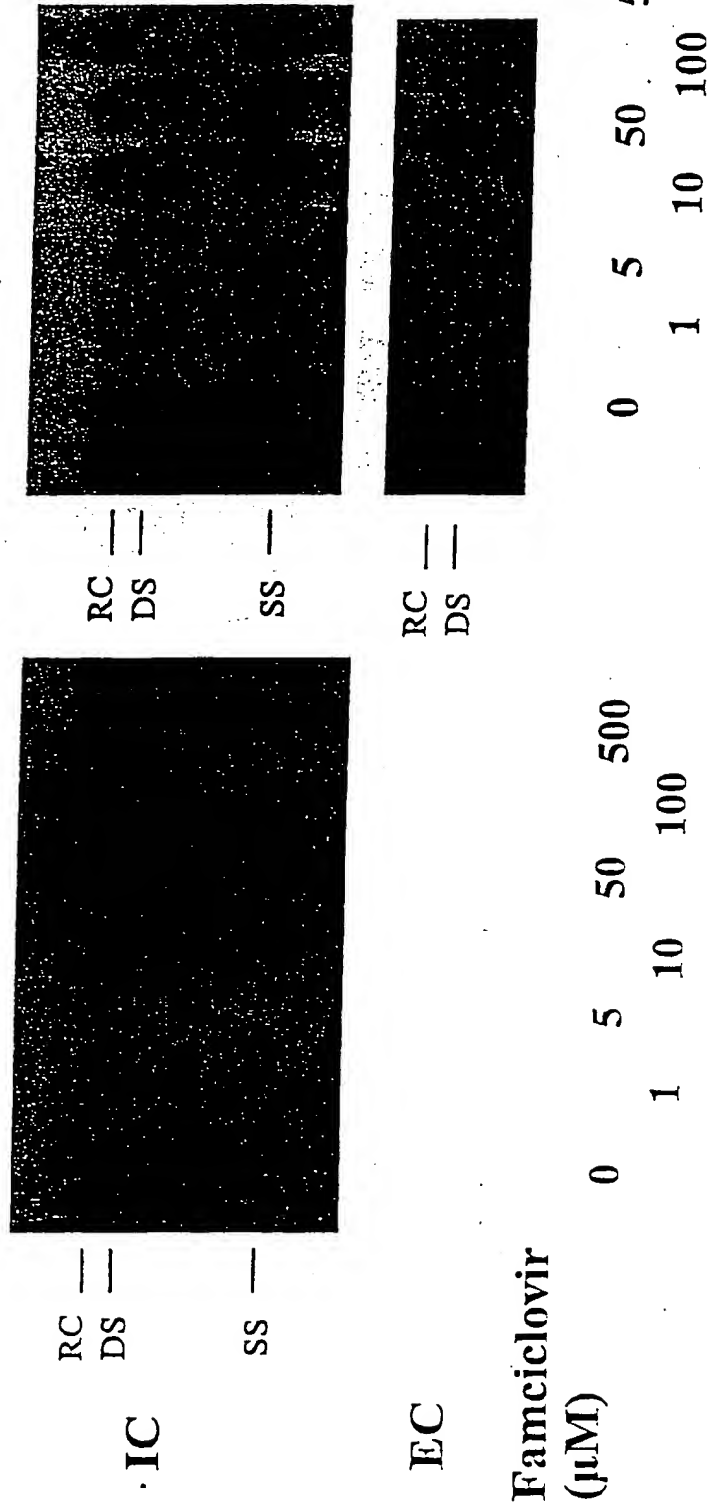


Figure 13F